

AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

Listing of Claims:

1. (Currently Amended) ~~Method~~ A method for transfer of an IP packet over a path from a sender ~~(CN 13)~~ over a radio access network ~~(BS 6, HA 15, FA 11)~~ to a mobile host ~~(MS 2)~~, comprising:

~~characterized in that examining~~, when a home agent ~~(HA 15)~~ receives an incoming data packet determined for a mobile host ~~(MS 2)~~ with a destination address ~~(MS2 address: 137.21.16.5)~~ the home agent ~~(HA 15)~~ examines, if there is a match between the destination address ~~(MS2 address: 137.21.16.5)~~ of the packet and a subnetwork address ~~(FA 11 address: 137.21.16.0)~~ of a foreign agent ~~(FA 11)~~ listed in a list of subnetwork addresses ~~(137.21.16.0; 137.22.25.0)~~ stored at the home agent ~~(HA)~~; and

~~wherein examining~~, if there is a match between the destination address ~~(MS2 address: 137.21.16.5)~~ and a subnetwork address ~~(FA 11 address: 137.21.16.0)~~ of a foreign agent, the home agent ~~examines~~ whether a preconfigured path from the home agent ~~(HA 15)~~ to ~~this the~~ foreign agent exists and ~~wherein the home agent (HA 15) sends~~ sending the packet to ~~this the~~ foreign agent ~~(FA 11)~~ on ~~this the~~ preconfigured label switched path ~~(37)~~ if a label switched path ~~(37)~~ to ~~this the~~ foreign agent exists.

2. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the home agent ~~(HA 15)~~ sends the packet to ~~this the~~ foreign agent ~~(FA 11)~~ on ~~this the~~ preconfigured label switched path ~~(37)~~ by sending the packet over a port of a forwarding interface ~~(eth0)~~ of the home agent ~~(HA 15)~~ which port is used for the path with ~~this the~~ path number ~~(37)~~.

3. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein the home agent ~~(HA 15)~~ examines if there is a match between the destination address ~~(MS2 address: 137.21.16.5)~~ of the packet and a subnetwork address

~~(FA 11 address: 137.21.16.0) of a foreign agent (FA 11) only if there is an entry (MS2 address: 137.21.16.5) in a binding cache of the home agent (HA 15) which entry corresponds to the destination address (MS2 address: 137.21.16.5) of the incoming packet.~~

4. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein a handover of a mobile host-(MS1) from one foreign agent to another foreign agent is done without creating or modifying a path between the foreign agent and a home agent of ~~this~~ the mobile host.
5. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein the path-(37) is a preconfigured, statically administered, multipurpose label switched path.
6. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein the functional entities of mobile IP and multipurpose label switching MPLS are co-located but not correlated in a foreign agent-(FA 11).
7. (Currently Amended) ~~Method~~ The method according to ~~any of the preceding claims~~ claim 1, wherein a foreign agent (FA 11) and a home agent (HA 15) are packet switched nodes of an IP network.
8. (Currently Amended) ~~Home~~ A home agent-(HA 15), characterized in that it comprises, comprising:
 - [[[-]]] a memory containing including a list of subnetwork addresses (137.21.16.0; 137.22.25.0) of foreign agents;
 - [[[-]]] a comparing means device for comparing the destination address of an incoming data packet determined for a mobile host-(MS2) with stored subnetwork addresses (137.21.16.0; 137.22.25.0) of foreign agents (FA 11, FA 12) for determining the foreign agent-(FA 11) to which the packet is to be sent;

[[[-]]]a means-device for determining a path-(37) for transmission of the packet to the foreign agent-(FA-11) by comparing the determined foreign agent-(FA-11) address (137.21.16.0) with stored addresses (137.21.16.0; 137.22.25.0) of foreign agents-(FA-11, FA-12), between which foreign agents-(FA-11, FA-12) and the home agent-(HA-15) paths-(37, 62) exist; and

[[[-]]]an interface (eth0) for transmitting a packet to a determined foreign agent-(FA-11) on a determined, preconfigured path-(37).